INT. J. GEOGRAPHICAL INFORMATION SYSTEMS, 1996, VOL. 10, NO. 8, 1019–1022

Index of Authors (with titles of papers)

ADAMS, T. M., *see* Tang, A. Y.
ARENTZE, T. A., BORGERS, A. W. J. and TIMMERMANS, H. J. P.: Design of a view-based DSS for location planning, 219
ARMSTRONG, M. P. and MARCIANO, R. J.: Local interpolation using a distributed parallel supercomputer, 713
ARMSTRONG, T. C., *see* Forgionne, G. A.

BELL, S. B. M. and HOLROYD, F. C.: Lattice rings: coordinates for self-similar hierarchies and their relevance to geographic information systems, 147
BLOKSMA, R. J., *see* Davidson, D. A.
BORGERS, A. W. J., *see* Arentze, T. A.
BRAINARD, J., LOVETT, A. and PARFITT, J.: Assessing hazardous waste transport risks using a GIS, 831
BRENT HALL, G., *see* Wang, F.
BROWN, N., *see* Fuller, R.
BRUNSDON, C., *see* Stewart Fotheringham, A.
BUNDY, G. Ll., *see* Jones, C. B.

CAN, A.: Weight matrices and spatial autocorrelation statistics using a topological vector data model, 1009
CHALMERS, A. I., *see* Morad, M.
CHARLTON, M., *see* Stewart Fotheringham, A.
CHUNG-YU LIOU *see* Ker-Chang Chang, H.
CHUVIECO, E. and SALAS, J.: Mapping the spatial distribution of forest fire danger using GIS, 333
CLEMATIS, A., FALCIDIENO, B. and SPAGNUOLO, M.: Parallel processing on heterogeneous networks for GIS applications, 747
CRESSMAN, K., *see* Healey, R. G.
CROMLEY, R. G.: A comparison of optimal classification strategies for choroplethic displays of spatially aggregated data, 405
CSILLAG, F., KERTÉSZ, M. and Á. KUMMERT: Sampling and mapping of heterogeneous surfaces: multi-resolution tiling adjusted to spatial variability, 851
CUTHBERTSON, M., *see* Medyckyj-Scott, D.

DAVIDSON, D. A., THEOCHAROPOULOS, S. P. and BLOKSMA, R. J.: A land evaluation project in Greece using GIS and based on Boolean and fuzzy set methodologies, 245
DAVIES, C. and MEDYCKYJ-SCOTT, D.: GIS users observed, 363
DE FLORIANI, L. and MAGILLO, P.: Representing the visibility structure of a polyhedral terrain through a horizon map, 541
DENSHAM, P. J., *see* Ding, Y.
DESMET, P. J. J. and GOVERS, G.: Comparison of routing algorithms for digital elevation models and their implications for predicting ephemeral gullies, 311
DING, Y. and DENSHAM, P. J.: Spatial strategies for parallel spatial modelling, 669
DUTTON, G.: Improving locational specificity of map data—a multi-resolution, metadata-driven approach and notation, 253

FALCIDIENO, B., *see* Clematis, A.
FORGIONNE, G. A., LOANE, R. F. and ARMSTRONG, T. C.: A geographical information system to facilitate military housing management, 991
FRANK, A. U.: Qualitative spatial reasoning: cardinal directions as an example, 269
FRANK, A. U., *see* Kemp, K. K.
FULLER, R. and BROWN, N.: A CORINE map of Great Britain by automated means. Techniques for automatic generalization of the Land Cover Map of Great Britain, 937

GAILE, G. L., *see* Hodgson, M. E.
GAULD, A., *see* Skidmore, A. K.
GITTINGS, B. M., *see* Roche, S. C.
GOLD, C. M., NANTEL, J. and YANG, W.: Outside-in: an alternative approach to forest map digitizing, 291
GOVERS, G., *see* Desmet, P. J. J.

HADZILACOS, T. and TRYFONA, N.: Logical data modelling for geographical applications, 179
HAINES-YOUNG, R. and WATKINS, C.: The rural data infrastructure, 21
HALLETT, S. H., JONES, R. J. A. and KEAY, C. A.: Environmental information systems developments for planning sustainable land use, 47
HEALEY, R. G., ROBERTSON, S. G., MAGOR, J. I., PENDER, J. and CRESSMAN, K.: A GIS for desert locust forecasting and monitoring, 117
HEUVELINK, G. B. M.: Identification of field attribute error under different models of spatial variation, 921
HINTON, J. C.: GIS and remote sensing integration for environmental applications, 877
HODGSON, M. E. and GAILE, G. L.: Characteristic mean and dispersion in surface orientations for a zone, 817
HOFIERKA, J., *see* Mitasova, H.
HOLROYD, F. C., *see* Bell, S. B. M.

IVERSON, L. R., *see* Mitasova, H.

JONES, A., *see* Leggett, D. J.
JONES, C. B., KIDNER, D. B., LUO, L. Q., BUNDY, G. Ll. and WARE, J. M.: Database design for a multi-scale spatial information system, 901
JONES, K. B., *see* Wickham, J. D.
JONES, R. J. A., *see* Hallett, S. H.
JOURNEL, A. G.: Modelling uncertainty and spatial dependence: Stochastic imaging, 517

KEAY, C. A., *see* Hallett, S. H.
KEMP, K. K. and FRANK, A. U.: Toward consensus on a European GIS curriculum: the international post-graduate course on GIS, 477
KER-CHANG CHANG, H. and CHUNG-YU LIOU: A constant key length coding scheme for linear quadtrees, 205
KERTÉSZ, M., *see* Csillag, F.
KIDNER, D. B., *see* Jones, C. B.
KUMMERT, A., *see* Csillag, F.

LEGGETT, D. J. and JONES, A.: The application of GIS for flood defence in the Anglian Region: developing for the future, 103
LOANE, R. F., *see* Forgionne, G. A.
LOVETT, A., *see* Brainard, J.
LUO, L. Q., *see* Jones, C. B.
LYNN USERY, E., *see* Tang, A. Y.

MAGILLO, P., *see* De Floriani, L.
MAGOR, J. I., *see* Healey, R. G.
MALCZEWSKI, J.: A GIS-based approach to multiple criteria group decision-making, 955
MARBLE, D. F., *see* Xiong, D.
MARCIANO, R. J., *see* Armstrong, M. P.
MARTIN, D.: An assessment of surface and zonal models of population, 973
MEDYCKYJ-SCOTT, D., *see* Davies, C.
MEDYCKYJ-SCOTT, D., CUTHBERTSON, M. and NEWMAN, I.: Discovering environmental data: metadatabases, network information resource tools and the GENIE system, 65
MEES, A. I., *see* Watson, D. F.
MILLER, H. J.: GIS and geometric representation in facility location problems, 791
MITASOVA, H., HOFIERKA, J., ZLOCHA, M. and IVERSON, L. R.: Modelling topographic potential for erosion and deposition using GIS, 629
MORAD, M., CHALMERS, A. I. and O'REGAN, P. R.: The role of root-mean-square error in the geo-transformation of images in GIS, 347
MOWER, J. E.: Developing parallel procedures for line simplification, 699

NANTEL, J., *see* Gold, C. M.
NÆSSET, E.: Use of the weighted Kappa coefficient in classification error assessment of thematic maps, 591
NEWMAN, I., *see* Medyckyj-Scott, D.

O'NEILL, R. V., *see* Wickham, J. D.
O'REGAN, P. R., *see* Morad, M.

PARFITT, J., *see* Brainard, J.
PENDER, J., *see* Healey, R. G.

RITTERS, K. H., *see* Wickham, J. D.
ROBERTSON, S. G., *see* Healey, R. G.
ROCHE, S. C. and GITTINGS, B. M.: Parallel polygon line shading: the quest for more computational power from an existing GIS algorithm, 731
ROGOWSKI, A. S.: Quantifying soil variability in GIS applications: II. Spatial distribution of soil properties, 455

SAHAY, S. and WALSHAM, G.: Implementation of GIS in India: organizational issues and implications, 385
SALAS, J., *see* Chuvieco, E.
SKIDMORE, A. K., GAULD, A. and WALKER, P.: Classification of kangaroo habitat distribution using three GIS models, 441
SPAGNUOLO, M., *see* Clematis, A.
STEWART FOTHERINGHAM, A., CHARLTON, M. and BRUNSDON, C.: The geography of parameter space: an investigation of spatial non-stationarity, 605
STRACHAN, A. J. and STUART, N.: UK Developments in Environmental GIS, 17
STRATTON, W. L., *see* Wei-Ning Xiang
STUART, N., *see* Strachan, A. J.

TANG, A. Y., ADAMS, T. M. and LYNN USERY, E.: A spatial data model design for feature-based geographical information systems, 643
THEOCHAROPOULOS, S. P., *see* Davidson, D. A.
TIMMERMANS, H. J. P., *see* Arentze, T. A.
TRYFONA, N., *see* Hadzilacos, T.

VAN KREVELD, M.: Efficient methods for isoline extraction from a TIN, 523

WADE, T. G., *see* Wickham, J. D.
WADSWORTH, R. A., *see* Watson, P. M.
WALKER, P., *see* Skidmore, A. K.
WALSHAM, G., *see* Sahay, S.
WANG, F. and BRENT HALL, G.: Fuzzy representation of geographical boundaries in GIS, 573
WARE, J. M., *see* Jones, C. B.
WATKINS, C., *see* Haines-Young, R.
WATSON, D. F. and MEES, A. I.: Natural trees—neighbourhood-location in a nutshell, 563
WATSON, P. M. and WADSWORTH, R. A.: A computerised decision support system for rural policy formulation, 425
WEI-NING XIANG and STRATTON, W. L.: Technical Note: The *b*-function and variable stream buffer mapping: a note on 'A GIS method for riparian water quality buffer generation', 499
WICKHAM, J. D., RIITTERS, K. H., O'NEILL, R. V., JONES, K. B. and WADE, T. G.: Landscape 'contagion' in raster and vector environments, 891
WILKINSON, G. G.: A review of current issues in the integration of GIS and remote sensing data, 85

XIONG, D. and MARBLE, D. F.: Strategies for real-time spatial analysis using massively parallel SIMD computers: an application to urban traffic flow analysis, 769

YANG, W., *see* Gold, C. M.

ZLOCHA, M., *see* Mitasova, H.